

Head of Stream Differentials - 2014

Kensington North Watersheds Association

In 2014, KNWSA staff captured GPS locations of the highest point of open water in ten selected streams on May-13 and again on Sep-09 & 10. A smaller subset of the selected streams was resurveyed on Oct-16. Classification of the headwaters was based on the *Proposed Methodology for Surveying PEI Headwater Streams* presented to PEI Watershed Alliance AGM on 2014-04-12 by Cody, Li and Hill as show in Table 1. GPS equipment used was a Trimble GeoXT 2008.

Category	Status
(0)	No surface water
(1)	Surface water in pools only
(2)	Surface water present but no visible flow
(3)	Flow only interstitial
(4)	Surface flow continuous

Table 1 -- Headwater Classification

1. Barbara Weit River. Three separate tributaries were observed.

a. Tributary that begins in Hogg's forest, Kensington, PEI.

- i. (May) 46.42747 -63.62680 Z: 41.2m Class: 0/4 Notes:
- ii. (Sep) 46.42237 -63.63460 Z: 25.7m Class: 1/2 Notes:

Difference: 850 metres.

b. Tributary beginning west of Cavendish farms, crosses under Confederation trail.

- i. (May) 46.41534 -63.70872 Z: 14.0m Class: 1/4 Notes: Grass way¹
- ii. (Sep) 46.41641 -63.70037 Z: 07.9m Class: 1/2 Notes:
- iii. (Oct) 46.41647 -63.70028 Z: 07.8m Class: 1/2 Notes:

Difference: 718 metres.

c. Tributary west of Kensington crossing under Old Station Road.

- i. (May) 46.43637 -63.65976 Z: 13.6m Class: 1/4 Notes:
- ii. (Sep) 46.43613 -63.65979 Z: 13.6m Class: 0/4 Notes:

Difference: 26 metres.

¹ Water flowing from grassy waterway without an actual stream bed.

2. **Cousins**, off the County Line Road.

i.	(May)	46.51423	-63.60377	Z: 45.2m	Class: 0/4	Notes:
ii.	(Sep)	46.51660	-63.60758	Z: 33.7m	Class: 1/3	Notes:
iii.	(Oct)	46.51676	-63.60750	Z: 32.3m	Class: 1/2	Notes:

Difference: 503 metres.

3. **Baltic River**, off Spring Valley Road.

i.	(May)	46.51929	-63.62633	Z: 17.6m	Class: 0/4	Notes: Spring
ii.	(Sep)	46.51934	-63.62644	Z: 17.1m	Class: 0/4	Notes:

Difference: 10 metres.

4. **Macintyre Creek**, off Fountain Road, New London. Two tributaries observed

a. Eastern Tributary

i.	(May)	46.45436	-63.49379	Z: 25.5m	Class: 1/4	Notes:
ii.	(Sep)	46.45460	-63.49385	Z: 24.5m	Class: 1/3	Notes:

Difference: 26 metres.

b. Western Tributary

i.	(May)	46.51929	-63.62633	Z: 30.3m	Class: 0/4	Notes:
ii.	(Sep)	46.45298	-63.50631	Z: 27.0m	Class: 0/2	Notes:

Difference: 194 metres.

5. **Shipyard River**. Two tributaries observed.

a. Main tributary that parallels Cheese Factory Rd.

i.	(May)	46.49240	-63.66944	Z: 17.0m	Class: 1/4	Notes: Grass way
ii.	(Sep)	46.49260	-63.67031	Z: 15.3m	Class: 1/2	Notes:

Difference: 76 metres.

b. North tributary that crosses Cheese Factory Rd.

i.	(May)	46.50690	-63.68466	Z: 8.3m	Class: 1/4	Notes: Grass way
ii.	(Oct)	46.50276	-63.69244	Z: 1.0m	Class: 0/2	Notes:

Difference: 840 metres.

6. **Indian River**. West side of Rte 20, north of Kensington

i.	(May)	46.44810	-63.64796	Z: 17.0m	Class: 0/1	Notes: Grass way
ii.	(Sep)	46.45150	-63.65133	Z: 15.3m	Class: 1/2	Notes:

Difference: 642 metres.

